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(54) Title: ACYLGLYCEROL ACYLTRANSFERASE-LIKE PROTEIN MGAT-X2 AND USES THEREOF

(57) Abstract: The present invention is directed to a polynucleotide and polypeptide sequence of a novel acylglycerol acyltransferase-like protein MGAT-X2. The invention also provides the human MGAT-X2 associated with the cardiovascular diseases, metabolic diseases, muscle-skeleton disorders or dermatological diseases. The invention also provides assays for the identification of compounds useful for the modulation of cardiovascular diseases, dermatological diseases, metabolic diseases or muscle-skeleton disorders for treating of cardiovascular diseases, metabolic diseases, muscle-skeleton disorders or dermatological diseases associated with expression of the MGAT-X2. The invention also features compounds which bind to and/or activate or inhibit the activity of MGAT-X2 as well as pharmaceutical compositions comprising such compounds.

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